

Attorney Docket No.: 01014-1001
Client Docket No.: HRA2630-A01012

Patent

COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DEVICE AND METHOD FOR EXTENDING THE LIFETIME OF A
BATTERY IN A TIRE PRESSURE SENSOR**

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 (copy attached).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d), on any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed					
<table><thead><tr><th style="text-align: center;">(Number)</th><th style="text-align: center;">(Country)</th><th style="text-align: center;">(Day/Month/Year Filed)</th><th style="text-align: center;">Yes</th><th style="text-align: center;">No</th></tr></thead></table>	(Number)	(Country)	(Day/Month/Year Filed)	Yes	No	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No		

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below:

I hereby claim benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 (copy attached) which became available between the filing date of the prior application and the national or PCT International filing date of this application:

As named inventor, I hereby revoke all powers of attorney previously given and appoint the following attorney(s) and/or agent(s): Thomas E. Beall, Jr., Reg. No. 22,410; Stephen C. Carlson, Reg. No. 39,929; Phouphanomketh Ditthavong, Reg. No. 44,658; Robert E. LeBlanc, Reg. No. 17,219; Carlos R. Villamar, Reg. No. 43,244, and Robert H. Whisker, Reg. No. 27,844, all of

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with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Send all future correspondence to the attention of Stephen C. Carlson, Reg. No. 39929, care of the above address and direct all telephone calls to the same at 703-425-8516.

Full Name of Sole Inventor (Given name, FAMILY NAME): Raj MANAKKAL

Inventor's Signature M. S. Nethirajan Date 1-10-02, 2002

Residence: Marysville, OH Citizenship US

Post Office Address 1004 Village Drive, Marysville, OH 43040

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned, Raj MANAKKAL, hereby sell, assign, and transfer to Honda Giken Kogyo Kabushiki Kaisha, a corporation of Japan, having a principal place of business at 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo, JAPAN ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that will be filed concurrently with this assignment, and is entitled:

DEVICE AND METHOD FOR EXTENDING THE LIFETIME OF A BATTERY IN A TIRE PRESSURE SENSOR

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

May 2, 2002

Date

Raj Manakkal

Name: Raj MANAKKAL